

Case Study

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| Project/customer name: | Argos Store |
| Year of application: | n/n |
| Location/country: | London / UK |
| Building type: | Store building |
| Authorized contractor: | n/n |
| Additional project details: | Application on top of existing asphalt surface |

General view:



Challenge:

- Water ingress endangered warehouse valuable stock for a number of years
- Over a period of many years, the surface had been coated with a variety of bituminous products in an effort to retain a level of waterproofing integrity but without success
- The mastic asphalt roof had reached the end of its serviceable life and had progressively blistered with an increasing number of fissures at surface level
- The Client was anxious to avoid the cost and disruption associated with the removal of the asphalt, in spite of its extremely poor condition

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Solution:

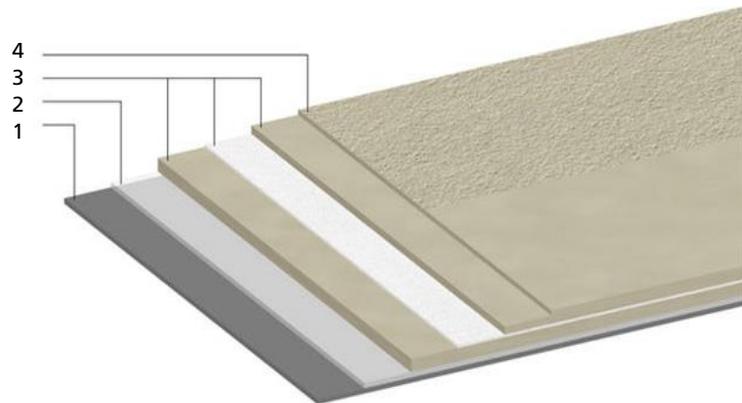
- The asphalt was not removed but blisters in it were cut out and a Triflex Mortar Paste was applied to ensure continuity of the waterproofing surface
- Next, the field areas were prepared prior to the application of a Triflex SA Aluminium-faced Preparation layer, necessary given the poor quality of the prepared asphalt
- Triflex ProTect was applied to the field areas and the perimeter details. Edges and all penetrations were finished using Triflex ProDetail
- The surface of the roof area is very uneven and as such, roof area will pond during periods of heavy rain. One of the key benefits of Triflex is that it will not breakdown in ponding/standing water.



Products used at a glance:

Triflex offers liquid PMMA* based resins (e.g. ProDetail for details or ProTect for areas):

1. Substrate
2. Primer, if necessary
3. Waterproofing layers
 - a) Triflex ProDetail (2kg / sqm)
 - b) Triflex Special Fleece
 - c) Triflex ProDetail (1 kg / sqm)
4. Finish, if wanted



* Polymethyl methacrylate

Continually improved over 40 years in order to become the market leader in Europe.



Main benefits (European Guideline ETAG 005):

- 25 years estimated working life performance
- Fast curing time and rainproof after only 30 minutes
- Application possible till humidity of 99% and withstands surface temperature after application up to 90° C
- A liquid seamless solution that fits to any structure with complex geometry
- Adherence to any surfaces (Aluminum, steel, plastic, glass, bitumen, concrete, ...)
- Solvent free, environmental friendly and with no risk to health
- High resistance to chemicals, roots and rhizome, alkali and hydrolysis
- Cold application with no flame and flame retardant
- Highly UV resistant (1000 MJ/m² = 325 days)
- Easy to impose loads after application (for particular demands as green roofs)